

In the Specification:

Please replace the paragraph at page 1, lines 7 to 8, with a replacement paragraph amended as follows:

The invention relates to a contactless data transmission system ~~in accordance with the preamble of Patent Claim 1.~~ and an associated method using an encoding or encrypting algorithm.

Please replace the paragraph at page 2, line 32 to page 3, line 2, with a replacement paragraph amended as follows:

The security and also the reaction speed of such a data transmission system depends among other factors on the format of the random number, and especially on the word length, i.e. the number of bits that make up the random number.

Please replace the paragraph at page 3, lines 3 to 5, with a replacement paragraph amended as follows:

It is however disadvantageous here that the security and possibly the range and the reaction speed of a contactless data transmission system containing an algorithm for encoding or encryption cannot be modified.

Please replace the paragraph at page 3, lines 10 to 16, with a replacement paragraph amended as follows:

The object of the invention has been ~~solved by the features described in Patent Claim 1.~~ achieved according to the present invention in a system and a method as defined in the claims. The data transmission system here has at least one device with which the various input data formats or especially word lengths for the encoding or encryption algorithm are set. The device can consist of one or several additional hardware terminal connections or terminal connection assignments and switches or it can consist of one or several additional control signals that determine the input data ~~format.~~ format or particularly the input data word length.

Please replace the paragraph at page 3, lines 22 to 25, with a replacement paragraph amended as follows:

Advantageous further developments ~~result from the subclaims where~~ of the invention involve using one and the same encoding algorithm ~~is used (i.e. encryption algorithm)~~ for the various input data ~~formats.~~ (especially input data word lengths). Another advantageous further development results from the retention of the secret code irrespective of the input data ~~format.~~ format or word length.

Please replace the paragraphs at page 3, line 29 to page 4, line 4, with replacement paragraphs amended as follows:

- Figure 1: Encoding or encryption block
- Figure 2a: Function block of the 32 bit encoding (i.e. encryption) algorithm
- Figure 2b: Function block of the 64 bit encoding (i.e. encryption) algorithm
- Figure 3: Effect of function f in the encoding (i.e. encryption) algorithm
- Figure 4: Data transmission system

[RESPONSE CONTINUES ON NEXT PAGE]